SOVIET MATHEMATICS

Доклады Академии Наук СССР

Tom 202-Tom 207, 1972

Vol. 13, Nos. 1-6

January-December 1972

Pages 1-1713

ANNUAL INDEX OF AUTHORS

Abramovič, Ju. A. On some properties of the weak topology in vector lattices	1
Adnadjević, D. = Adnadžević, D.	
Adnadževič, D. [Adnadjević, D.] Topology and order	1384
Agranovskir, M. L. Invariant algebras on noncompact Riemannian symmetric	
spaces	1538
Akivis, M. A. and Gol'dberg, V. V. On multidimensional tri-nets formed by surfaces of different dimensions	354
Aleksandrov, I. A. and Prohorova, A. E. Estimates of the curvature of level	359
lines in the class S _p	-
Alhimova, V. M. Best quadrature formulas with equidistant nodes	619
Amonov, B. K. and Šišatskir, S. P. An a priori estimate of the solution to the	
Cauchy problem for a second-order parabolic equation with data given on the time surface, and related uniqueness theorems	1153
	108
Amosova, N. N. Local limit theorems for large deviations	100
An, F. I. See Subhankulov, M. A.	
Andreev, V. A.; Kazarinov, Ju. F. and Jakubović, V. A. Synthesis of optimal	
controls for linear nonhomogeneous systems in the problem of minimiz-	259
ing the mean value of a quadratic functional	
Anikonov, Ju. E. On a problem of defining a Riemannian metric	804
On operator equations of the first kind	1478
Anisimov, V. V. On the summation of random variables on a Markov chain with a	/21
countable splitting set of states	431
Multidimensional limit theorems for Markov chains with a finite number of states	670
The limiting behavior of a semi-Markov process with a decomposable state	0,0
space	1276
Antoncev, S. N. and Monahov, V. N. On the solvability of a class of conjugacy problems with shift	901
Antonovskii, M. Ja. and Poljakov, V. Z. Nonsymmetric proximities and uniformi-	/01
ties	1155
Arhangel'skir, A. V. There is no "naive" example of a nonseparable sequential bicompactum with the Suslin property	473
The property of paracompactness in the class of perfectly normal, locally	
bicompact spaces	517
The frequency spectrum of a topological space and the classification of	
spaces	1185
Ararkcjan, B. G. [Ararkcian, B. G.] On the asymptotic almost-periodicity of solu-	
tions of some nonstationary equations	943

Bam-Zelikovič, E. G. Some necessary conditions for local solvability of first-order differential equations with infinitely differentiable coefficients	624
Baranova, E. A. On the recovery of higher-order differential operators by means of a system of their spectra	1095
Barzdin', Ja. M. and Fre'vald, R. V. On the prediction of general recursive func-	107)
tions	1224
Baškirov, A. I. Topological spaces determined by their subspaces	1639
Batuhtin, V. D. Extremal aiming in a nonlinear convergence game	1427
Bavrin, I. I. A generalization of the Cauchy, Schwarz and Poisson integral for- mulas	5
On the generalized Cauchy, Schwarz and Poisson integral formulas	731
Belickir, G. R. Functional equations and conjugacy of local diffeomorphisms of	
finite smoothness class	56
Beljaev, Ju. K. and Piterbarg, V. I. Asymptotics of the average number of A-	
points of overshoot of a Gaussian field beyond a high level	309
Bel'nov, V. K. On free abelian metrizable groups	171
On metric extensions	220
Belugin, V. I. Contractions onto bicompacta	1481
Berezanskir, Ju. M.; Gali, I. M. and Žuk, V. A. On positive definite functions of infinitely many variables	314
Besov, O. V. Inequalities for moduli of continuity of functions defined on a	
domain and imbedding theorems	113
Bicadze, A. V. On a system of linear partial differential equations	766
Bicadze, A. V. and Nahušev, A. M. Theory of degenerate hyperbolic equations	
in multidimensional domains	807
Correct formulation of problems for equations of mixed type in multidimen-	057
Birman, M. Š. and Solomjak, M. Z. Spectral asymptotics of nonsmooth elliptic	857
operators	906
Bliev, N. K. On the functional properties of an integral operator	946
Bobylev, N. A. and Krasnosel'skir, M. A. Operators with continua of fixed points	1045
Bockarev, S. V. On absolute convergence of Fourier series	225
Bogatyr, S. On metric retracts	674
Bognár, M. Axiomatization of the theory of linking	477
Bogus, A. A. and Fedorov, F. I. On plane orthogonal transformations	1349
Botkov, I. V. On the approximate solution of singular integral equations	400
Bokut', L. A. Unsolvability of the identity problem for Lie algebras	1388
Botovkov, A. A. On estimates in the principle of invariance	1354
Bratus', A. S. Estimates in L ₂ for pseudodifferential operators with a parameter	1374
of principal type and their applications to equations in tube domains	435
Bryčkov, Ju. A. On the order of singularity of generalized functions relative to a	
part of the variables	911
Budak, B. M. and Vasil'eva, V. N. On the solution of the inverse Stefan problem	811
Bulavskir, V. A. On extension of the convergence domain of higher precision	
iterative methods	915

	Bunimovič, L. A. The central limit theorem for dispersing billiards	735
	Burenkov, V. I. On the approximation of functions in $C^r(\Omega)$ where Ω is an arbi-	
	On approximation of functions in Sobolev spaces by finite functions on an	10
	arbitrary open set	60
	Burgin, M. S. Free topological groups and universal algebras Central extensions in y-categories	561 1050
	Byhovskir, E. B. An initial boundary value problem for the equation $u_t + a_x(u) = 0$	118
	Caljuk, Z. B. See Veržbickii, V. M.	
	Čeresiz, V. M. On the stability of almost periodic solutions	397
	Čerkasov, I. D. Tensor conditions for reducibility of elliptic and hyperbolic	250
	equations	350
	ed Abelian subgroups	1139
	Čoban, M. M. On B-measurable sections	1473
•	Čudnovskii, D. V. Topological properties of products of discrete spaces and set theory	661
	Čulyk, I. I. See Kardaš, A. I.	
	Čunihin, S. A. Nilpotent and supersoluble subgroups of finite groups of precise order	982
	Daleckii, Ju. L. and Fomin, S. V. Generalized measures in Hilbert space and Kolmogorov's forward equation	993
	Daugavet, I. K. On Markov-Nikol'skiY type inequalities for algebraic polynomials in the multidimensional case	1548
	Dautov, S. A. On forms orthogonal to bolomorphic functions on integration along the boundary of strictly pseudoconvex domains	318
	Demidov, G. V. See Janenko, N. N.	
	Dem'janov, V. F. and Pevnyr, A. B. First and second marginal values of mathematical programming problems	1502
	Didenko, V. P. On boundary-value problems for multidimensional hyperbolic	
	equations with degeneration	998
	DikovskiY, A. Ja. On domination density	678
	Duducava, R. V. Discrete Wiener-Hopf equations composed of Fourier coeffi- cients of piecewise-Wiener functions	1703
	Dybov, P. T. On the solvability of the first boundary value problem for an elliptic type differential equation of sixth order	264
	Džafarov, Arif S. On spherical analogs of the classical theorems of Jackson and Bernstein	373
	Džavadov, M. G. See Gasymov, M. G.	2.2
	Džuraev, A. Singular integral equations of the first and second kind over a	
	bounded plane domain	440
	On the theory of singular integral equations over a bounded plane domain	486
	Egoryčev, G. P. See Gorčakov, Ju. M.	
	Erdel'man, S. D. See Kondrat'ev, V. A.	
	Exdlin, V. L. On specifying the distribution of a polynomial in terms of its	
	moments	509

Engibarjan, N. B. On factorization of symmetric integral operators	322
Engibarjan, N. B. [Yengibarian] and Mnacakanjan, M. A. [Mnatsakanian] On the	
factorization of integral operators	1295
Ermakov, S. M. The Monte Carlo method for iteration of nonlinear operators	629
Ermakov, S. M. and Nefedov, V. S. On estimates of the sum of a Neumann series	
by the Monte-Carlo method	23
Eršov, Ju. L. Elementary group theories	528
Existence of constructivizations	779
Continuous lattices and A-spaces	1551
Evstigneev, I. V. Optimal economic planning taking account of stationary ran-	1000
	1357
Faddeev, D. K. On the measure of the set of the midpoints of chords of a plane	160
continuum	168
Fedorov, F. I. See Boguš, A. A.	
Fedosov, B. V. On the index of an elliptic operator in R ⁿ and an elliptic bound-	1
	1581
Fernberg, V. Z. Finite ultrametric spaces	210
	1688
Fel'dman, N. I. An inequality connected with linear forms in logarithms of alge-	
	1464
Feller, M. N. On infinite-dimensional elliptic operators	890
Filatov, P. S. On differentiability properties of solutions to equations of quasi-	
	1090
Filippov, V. V. On the inductive dimension of the product of bicompacta	250
On the dimension of closed mappings	895
Fomin, S. V. See Daleckir, Ju. L.	
Formanov, S. K. On rate of convergence in the multidimensional central limit	
theorem for homogeneous Markov chains	610
Fretvald, R. V. See Barzdin', Ja. M.	
Frolov, I. S. Inverse scattering problem for a Dirac system on the whole axis	1468
Frolov, N. N. Embedding theorems for functions of a countable number of vari-	
ables and their application to the Dirichlet problem	346
Gabovič, Ju. R. On the stability effect of the normal distribution characteriza-	
tion in S. N. Bernšte'in's theorem	861
Gadžimagomedov, G. G. On the existence of a solution of a nonlinear singular	
integral equation with a special kernel of Cauchy type with arbitrary	
parameter	481
Gali, I. M. See Berezanskir, Ju. M.	
Gasymov, M. G. On the theory of high-order evolution equations	1280
Gasymov, M. G. and Džavadov, M. G. Multiple completeness of a part of the set	
of eigenfunctions and adjoint functions of differential operator bundles	521
Gel'man, I. V. and Maz'ja, V. G. Estimates for differential operators with con-	100
stant coefficients in a halfspace	180
Gindikin, S. G. Differential operators with real characteristics of high order	774
Ginzburg, Ju. P. and Mogilevskaja, R. L. On spectral functions of contractions	
with slowly increasing resolvents	1543

Gluško, V. P. On the solvability of mixed problems for second-order parabolic	
equations with degeneracy	1489
Gohberg, I. C. and Lasterer, Ju. On the factorization of continuous operator	
functions relative to a contour in Banach algebras	1195
Gol'dberg, V. N. Branching of solutions of nonlinear mixed problems for almost	
linear hyperbolic systems on the plane	127
Gol'dberg, V. V. See Akivis, M. A.	
Golubov, B. I. Functions of generalized bounded variation, convergence of their	
Fourier series and conjugate trigonometric series	1103
Gončarskir, A. V.; Leonov, A. S. and Jagola, A. G. A generalization of the	
discrepancy principle for the case of an operator specified with an	
error	525
Gorbačuk, M. L.; Kočuber, A. N. and Rybak, M. A. Dissipative extensions of	
differential operators in a space of vector-functions	1063
Gorčakov, Ju. M. and Egoryčev, G. P. Ranks of factors of the lower central	
series of a free polynilpotent group	565
Grabovskaja, R. Ja. On a system of equations connected with a generalized	
shift operation	1285
Graev, M. I. and Pavlenko, N. V. The Radon transformation in the space	
P ⁿ (A) where A is a finite commutative ring with identity	1493
Gulin, A. V. and Samarskii, A. A. On the stability of difference schemes with	
nonselfadjoint operators	1392
Gurevic, B. M. Uniqueness of the measure with maximal entropy for symbolic	
almost-Markov dynamic systems	569
Gurevič, G. A. On the conjugacy problem for groups with one defining relation	1436
Guščin, A. K. On lower bounds for the solutions of boundary value problems for	
a parabolic equation	368
On estimates of solutions of II and III boundary value problems for a	
second-order parabolic equation in domains unbounded in the space	1000
variables	1290
On estimates from below of solutions of the second boundary value problem	
for a second-order parabolic equation in domains unbounded in the	1206
space variables	1396
Gusev, M. I. Vector optimization of linear systems	1440
Gusev, S. I. On the asymptotic behavior of generalized a posteriori means	1498
Has'minskiY, R. Z. See Ibragimov, I. A.	
Helemskir, A. Ja. A locally compact group algebra having trivial two-dimen-	
sional Banach cohomology groups is compact	500
Himčenko, B. N. See Kamynin, L. I.	
Hudak, Ju. I. Two inclusion theorems for a method of generalized summation of	
$T[\lambda_k]$ series	304
Ibragimov, I. A. and Has' minskir, R. Z. On sequential invariant estimation of a	
shift parameter	572
Information inequalities and supereffective estimates	821

Ibragimov, I. I. and Nagnibida, N. I. On the basis character of some systems of	
analytic functions	1360
On the completeness and basis property of some systems of analytic func-	
tions	1403
Ibragimov, S. I. On the completeness of a system of analytic functions	1455
Ignatenko, L. T. See Rutman, M. A.	
Iliadis, S. D. An investigation of plane continua via Carathéodory prime ends	828
Il'in, V. A. A negative solution to the problem of the convergence in the La	
metric $(p \neq 2)$ of the spectral decomposition of a function in L_p^{α} with	
compact support	1115
Iljuskin, V. A. On the complexity of a grammatical description of context-free	
languages	533
Inasaridze, H. N. Exact homology and linking for Steenrod duality	1165
Ioffe, A. D. An existence theorem for problems of the calculus of variations	919
Ioffe, M. S. Conformal and quasi-conformal imbedding of one finite Riemann sur-	
face into another	75
Ionin, V. K. Isoperimetric inequalities in simply connected Riemann spaces of	
nonpositive curvature	378
Ivanov, A. A. Reducibility of uniform structures	1112
Ivanov, A. F. On the arithmetic of p-extensions	329
Ivanov, V. K. Hyperdistributions and the multiplication of Schwartz distributions	784
Ivanov, V. V. On optimal algorithms for the calculation of singular integrals	576
Ivasišen, S. D. Green's matrix of a general inhomogeneous parabolic problem	
with boundary conditions of arbitrary order	1300
Ivrix, V. Ja. The Cauchy problem for nonstrictly hyperbolic equations with smooth	
roots	825
Cauchy problem for nonstrictly hyperbolic equations	1648
Izrailevič, Ja. A. and Obuhovskir, V. V. On equivariant multivalued mappings	864
Jagola, A. G. See Gončarskir, A. V.	
Jakovlev, G. N. On the solutions of a class of second order quasi-linear elliptic	
equations	255
Jakubovič, V. A. See Andreev, V. A.	
Jamrom, B. R. On the average number of real zeros of random polynomials	1381
Janenko, N. N. and Demidov, G. V. Evolutionary two-layer difference schemes	799
Janusauskas, A. A reduction of a directional derivative problem	513
Harmonic mappings of domains bounded by spheres	1148
Jarmuhamedov, S. Integral representations of harmonic functions of many variables	761
Jarv, E. A. Asymptotic properties of functionals with Čebyšev serving	1180
Kac, I. S. Power-asymptotics estimates for spectral functions of generalized	
boundary value problems of second order	453
Kalašnikov, A. L. and Slugin, S. N. The pointwise partial order of a Sobolev	
space and the positivity of an optimal solution	1507
Kamynin, L. I. and Himčenko, B. N. On applications of the maximum principle to	
paraholic equations of second order.	683

K

11 -

Kanovič, M. I. Complexity of bounded decidability of semirecursively enumerable	
sets	536
On the universality of strongly undecidable sets	687
Karacuba, A. A. The Dirichlet divisor problem in number fields	697
Karapetjanc, N. K. and Samko, S. G. On a new approach to the investigation of	70
singular integral equations with shift	79
Singular integral operators with shift on an open contour	691
Karasev, I. M. On solvability of the Dirichlet problem in $C^{(\alpha)}(G)$ and $L_q^{(\alpha)}(G)$ spaces	490
	490
Kataseva, T. M. On rate of growth and on boundedness of solutions of second- order differential equations with periodic coefficients	84
Kardaš, A. I. and Čulyk, I. I. On the domain of convergence of the Dirichlet	04
series of a function of two complex variables and its Newtonian	
majorant	1310
Katrahov, V. V. An eigenvalue problem for singular elliptic operators	1511
Kazarimov, Ju. F. See Andreev, V. A.	
Kaz'min, Ju. A. On the moment problem in the complex domain	833
The general moment problem in the complex domain. Uniqueness theorems	868
Kinber, E. B. Frequency calculations of general recursive predicates and fre-	
quency enumeration of sets	873
Kiprijanov, I. A. and Ključancev, M. I. A singular partial differential problem	
with boundary conditions on a surface of singularities	232
Klebanov, L. B. "Universal" loss functions and unbiased estimates	539
Klimov, G. P. Invariant decision rules in sequential analysis	268
Ključancev, M. I. See Kiprijanov, I. A.	
Kljušin, V. L. On spaces with regularly refinable coverings	740
Kočergin, A. V. On the absence of mixing in special flows over the rotation of a	
circle and in flows on a two-dimensional torus	949
Kočuber, A. N. See Gorbačuk, M. L.	
Kogan, L. A. Elliptic curves and modular forms	633
Kolodir, I. M. See Kružkov, S. N.	
Kolupanova, G. A. On a differential equation of hyperbolic type in Banach space	1663
Kombarov, A. P. On the product of normal spaces. Uniformities on Σ-products	1068
Kondrat'ev, V. A.; Erdel'man, S. D. and Pletneva, T. G. On positive solutions	
of partial differential equations in a neighborhood of a smooth nonchar-	
acteristic hypersurface	638
Koplienko, L. S. On a local variant of the theory of the spectral shift function	877
Korenbljum, B. I. Invariant subspaces for a shift operator in some weighted	
Hilbert sequence spaces	272
Kornfel'd, I. P. On invariant measures of minimal dynamic systems	87
Košelev, A. I. On strong convergence in the large of an iteration process for	
ordinary differential equations	493
Kozjakin, V. S.; Krasnosel'skir, M. A. and Pokrovskir, A. V. Vibrationally stable	1205
hysterons	1305
Karlandrik I M. Tun thansame on matric shaces	143

Krasovskir, N. N.; Subbotin, A. I. and Ušako, V. N. A minimax differential game Krivoručko, A. I. On the cardinality of the set of continuous functions	Krasnosel'skir, M. A. See Bobylev, N. A. and Kozjakin, V. S.	
Krisovskii, N. N.; Subbotin, A. I. and Ušako, V. N. A minimax differential game Krivoručko, A. I. On the cardinality of the set of continuous functions	Krasovskir, N. N. Extremal control in a nonlinear positional differential game	411
Kronrod, A. S. On the choice of a minimum confidence region	Krasovskir, N. N.; Subbotin, A. I. and Ušako, V. N. A minimax differential game	1200
Kruglinkov, V. I. On the existence and uniqueness theorem for quasi-conformal mappings with unbounded characteristics	Krivoručko, A. I. On the cardinality of the set of continuous functions	1364
mappings with unbounded characteristics	Kronrod, A. S. On the choice of a minimum confidence region	1072
Kruškal', S. L. Teichmüller spaces and kleinian groups	Kruglinkov, V. I. On the existence and uniqueness theorem for quasi-conformal	
Krutickaja, N. Č. On localization conditions for rectangular Cesàro means and Abel means in restricted summability of multiple trigonometric Fourier series in Liouville classes	mappings with unbounded characteristics	1118
Abel means in restricted summability of multiple trigonometric Fourier series in Liouville classes	Kruškal', S. L. Teichmüller spaces and kleinian groups	1008
Kružkov, S. N. and Kolodif, I. M. A priori estimates and a Harmack inequality for generalized solutions of degenerate quasi-linear second order farabolic equations		
Kružkov, S. N. and Kolodif, I. M. A priori estimates and a Harnack inequality for generalized solutions of degenerate quasi-linear second order frarabolic equations		
generalized solutions of degenerate quasi-linear second order frarabolic equations		1205
Kučment, P. A. On the index of Fredbolm operators in a family of Banach spaces Kučment, P. A. and Pankov, A. A. On classifying spaces for the groups K ^G ₀ -9(X)		
Kučment, P. A. and Pankov, A. A. On classifying spaces for the groups K ^G _b . ^q (X)		642
Kudina, L. S. The indecomposability of the arcsine law		589
Kudina, L. S. The indecomposability of the arcsine law		700
Kudinov, A. F. On mean values of arithmetic functions		
Kudrjavcev, L. D. On parametric inequalities for functions of several variables		
Kufarev, B. P. Estimates of Hausdorff measures under mappings of the type W 1 1516 Kuržanskir, A. B. Differential games of observation		
Kuzžanskir, A. B. Differential games of observation 1556 Kuz minov, V. I. and Švedov, I. A. On the homology of a spectral limit of bicompacta 458 Kuznecov, N. N. Difference schemes in difference distribution spaces 589 Asymptotics of a noncommutative difference approximation to the wave equation 649 On the stability of weak solutions of systems of quasi-linear equations of hyperbolic type 929 Labsker, L. G. On strong convergence of sequences of positive linear operators in Banach spaces 1229 Lagunov, V. N. A nonlinear differential game of evasion 131 Latterer, Ju. See Gohberg, I. C. Larionov, E. A. On bases composed of root vectors of an operator bundle 1208 Lavrent'ev, I. M. See Vaïnberg, M. M. Leonov, A. S. See Gončarskir, A. V. Leont'ev, A. F. On a complement to Hadamard's theorem 136 Leontovič, E. A. and Tareev, V. P. The problem of integral curve generation from a separatrix cone of a two-dimensional complex dynamical system 170 Lerer, L. E. On the asymptotic distribution of the spectra of finite truncations of Wiener-Hopf operators 165 Lifšic, V. A. A locally analytic constructive function which is not analytic 28		
Kuz'minov, V. I. and Švedov, I. A. On the homology of a spectral limit of bicompacta		
Kuznecov, N. N. Difference schemes in difference distribution spaces. Asymptotics of a noncommutative difference approximation to the wave equation. On the stability of weak solutions of systems of quasi-linear equations of hyperbolic type. Labsker, L. G. On strong convergence of sequences of positive linear operators in Banach spaces. Lagunov, V. N. A nonlinear differential game of evasion. Latterer, Ju. See Gohberg, I. C. Larionov, E. A. On bases composed of root vectors of an operator bundle. Latyšev, V. N. The Specht property of the T-ideal $T = \{[x_1, \cdots, x_{n-1}, [x_{n-1}, x_n]]\}$ 1604 Lavrent'ev, I. M. See Vaïnberg, M. M. Leonov, A. S. See Gončarskit, A. V. Leont'ev, A. F. On a complement to Hadamard's theorem. from a separatrix cone of a two-dimensional complex dynamical system 170 Lerer, L. E. On the asymptotic distribution of the spectra of finite truncations of Wiener-Hopf operators. 165 Lifšic, V. A. A locally analytic constructive function which is not analytic 28		1))0
Kuznecov, N. N. Difference schemes in difference distribution spaces		458
Asymptotics of a noncommutative difference approximation to the wave equation		
tion		704
On the stability of weak solutions of systems of quasi-linear equations of byperbolic type		645
byperbolic type		
Labsker, L. G. On strong convergence of sequences of positive linear operators in Banach spaces		924
Lagunov, V. N. A nonlinear differential game of evasion		
Latterer, Ju. See Gohberg, I. C. Larionov, E. A. On bases composed of root vectors of an operator bundle	in Banach spaces	1229
Larionov, E. A. On bases composed of root vectors of an operator bundle	Lagunov, V. N. A nonlinear differential game of evasion	131
Latyšev, V. N. The Specht property of the T-ideal $T = \{[x_1, \cdots, x_{n-1}, [x_{n-1}, x_n]]\}$ 1604 Lavrent'ev, I. M. See Vainberg, M. M. Leonov, A. S. See Gončarskii, A. V. Leont'ev, A. F. On a complement to Hadamard's theorem		
Lavrent'ev, I. M. See Vainberg, M. M. Leonov, A. S. See Gončarskir, A. V. Leont'ev, A. F. On a complement to Hadamard's theorem	Larionov, E. A. On bases composed of root vectors of an operator bundle	1208
Leonov, A. S. See GončarskiY, A. V. Leont'ev, A. F. On a complement to Hadamard's theorem	Latysev, V. N. The Specht property of the T-ideal $T = \{[x_1, \dots, x_{n-1}, [x_{n-1}, x_n]]\}$	1604
Leont'ev, A. F. On a complement to Hadamard's theorem	Lavrent'ev, I. M. See Varnberg, M. M.	
Leontovič, E. A. and Tareev, V. P. The problem of integral curve generation from a separatrix cone of a two-dimensional complex dynamical system Leter, L. E. On the asymptotic distribution of the spectra of finite truncations of Wiener-Hopf operators	Leonov, A. S. See Gončarskir, A. V.	
from a separatrix cone of a two-dimensional complex dynamical system Leter, L. E. On the asymptotic distribution of the spectra of finite truncations of Wiener-Hopf operators	Leont'ev, A. F. On a complement to Hadamard's theorem	1368
Leter, L. E. On the asymptotic distribution of the spectra of finite truncations of Wiener-Hopf operators		
of Wiener-Hopf operators		1708
Lifsic, V. A. A locally analytic constructive function which is not analytic 28		1/61
	· · · · · · · · · · · · · · · · · · ·	
	Litisic, V. A. A locally analytic constructive function which is not analytic	1561

Lisica, Ju. On spaces that are connected and locally connected in all dimensions	1015
The extension of mappings and a factorization theorem	1660
Livšic, A. N and Sinar, Ja. G. On invariant measures compatible with the smooth structure for transitive U-systems	1656
Ljance, V. È. On some relationships among closed operators	699
Ljubačevskir, B. D. The structure of a group of polynomial matrices unitary in an	-//
indefinite metric of index 1	333
Ljubarskir, M. G. On analytic, Levitan almost-periodic functions	1234
The extension of Favard's theory to the case of a system of linear differ-	
ential equations whose coefficients are unbounded and almost-periodic	1216
in the sense of Levitan	1316
Ljusternik, L. A. See Zaljapin, V. I. Loginov, A. I. and Šul'man, V. S. On Sarason's theorem and the Radjavi-Rosen-	
thal bypothesis	928
Logvinenko, V. N. Binomial asymptotics for a class of entire functions	1073
Lomkovskaja, M. Conditional grammars and intermediate classes of languages	1609
Macaev, V. I. and Mogul'skir, E. Z. On the possibility of weak perturbation of a	
complete operator up to a Volterra operator	1565
Marstrovskir, G. D. On the optimality of Newton's method	838
Makarov, V. L. Connection between optimality and equilibrium for an infinite	
interval	91
Maksimov, V. M. Mathematical expectations for probability distributions on com-	
pact groups and their application	416
Malyhin, V. I. On tightness and Suslin number in exp X and in a product of	496
spaces On countable spaces baving no bicompactification of countable tightness	1407
Malyšev, V. A. Classification of two-dimensional positive random walks and	-101
almost linear semimartingales	136
Mamatkulov, A. and Mamedov, Ja. D. A difference method for solution of a bound-	
ary value problem for the quasi-linear Lavrent'ev-Bicadze equation	460
Mamedov, Ja. D. See Mamatkulov, A.	
Mangeron, D. I. = Manžeron, D. J.	
Manturov, O. V. On the theory of vector fiberings over compact homogeneous	000
spaces	235
On invariant vector bundles over compact Lie groups	1412
Manžeron, D. J. See M. N. Ogjuztoreli	702
Maričev, O. I. Two Volterra equations with Horn functions	703
Matveev, V. B. and Skriganov, M. M. Wave operators for the Schrödinger equation with rapidly oscillating potential	185
Maz'ja, V. G. See Gel'man, I. V.	
Mdzinarišvili, L. D. On the relation between the homology theories of Kolmogorov	
and Steenrod	420
Medvedev, Ju. T. Locally finitary algorithmic problems	382
Merman, N. N. On an upper bound for the potential of a plane electrostatic field	285
On a theory of functions of bounded type	593

Meletidi, M. A. On complete systems and bases in the spaces C and L,	1372
Men'sih, O. F. Functionally invariant solutions of a class of second-order partial differential equations	882
Miharličenko, G. G. The solution of functional equations in the theory of physical	
Structures	1377
and the root-mean-square stability	708
Mironov, A. V. and Sarymsakov, T. A. The concept of norm of a linear operator in a locally convex space	598
Mišnaevskir, P. A. On the Green's function and the asymptotic behavior of	
eigenvalues of Sturm-Liouville operator problem	465
Mnacakanjan, M. A. See Engibarjan, N. B.	
Mnatsakanian, M. A. = Mnacakanjan, M. A.	
Mogilevskaja, R. L. See Ginzburg, Ju. P.	
Mogul'skir, E. Z. See Macaev, V. I.	
Monahov, V. N. See Antoncev, S. N.	
MotornyY, V. P. On mean convergence of Fourier series in Legendre polynomials	748
Muhamadiev, E. On the invertibility of elliptic partial differential operators	1122
Muraver, L. A. Asymptotic behavior of solutions of the third exterior boundary-	
value problem for the wave equation with two space variables	1018
Musaev, K. M. On some extremal properties of generalized analytic functions	387
Nagaev, A. V. and Sakojan, S. K. Limit theorems involving large deviations in Rk	713
Nagaev, S. V. Large deviations for sums of independent, identically distributed	
random variables	1170
Nagnibida, N. I. See Ibragimov, I. I.	
Nagrebeckit, V. T. On the periodic part of a group with a finite number of auto-	
morphisms	953
Nahušev, A. M. See Bicadze, A. V.	
Naïmark, M. A. On homogeneous and quasi-homogeneous representations of a	
locally compact group	
Criteria of irreducibility and discrete decomposability of a homogenous repre-	
sentation of a locally compact group	
Nakonečnyr, A. G. Moments of higher orders	931
,	1320
Nefedov, V. S. See Ermakov, S. M.	
Nesterenko, Ju. V. Estimates of the orders of zeros of analytic functions of a certain class and their application to the theory of transcendental numbers	938
Nguen Ngok Z'ep A Kupka-Smale theorem for smooth measure-preserving mappings	934
	754
Nikitin, Ja. Ju. Estimates of the rate of convergence for some limit theorems and statistical criteria	189
	1081
Nikolaev, E. S. and Samarskir, A. A. Methods of numerical solution of the	-001
Dirichlet problem for Poisson's equation in an arbitrary number of	
	1325
Nikol'skir, M. S. Linearizable objects and their application in differential pur-	
	1026

Nikol'skiY, N. K. Unilateral estimates of the modulus of harmonic functions in a disk and in a strip	957
Novruzov, A. A. On some problems of the qualitative theory of linear and quasi-	
linear elliptic equations of second order	794
Obuhovskir, V. V. See Izrailevič, Ja. A.	
Ogjuztoreli, M. N. [Oğuztöreli] and Manžeron, D. J. [Mangeron, D. I.] Systems of polynomials in several variables. Particular solutions of a class of	
linear selfadjoint polywave equations	1238
Oğuztöreli, M. N. = Ogjuztoreli, M. N.	
Okinševič, I. N. On convergence and stability of some approximate methods of	
solving nonlinear operator equations	1335
Oksak, A. I. Homogeneous generalized functions	841
Olernik, O. A. and Radkevič, E. V. Analyticity of solutions of linear differential equations and systems	1614
Olevskir, A. M. On localization of Carleman singularities on compacta of measure zero	27
Osilenker, B. P. On summation of polynomial Fourier series expansions of functions of the classes $L^p_{\mu(x)}$ $(p \ge 1)$	140
Osipov, Ju. S. Minimax absorption in difference-differential games	337
Osipov, V. F. Spectral synthesis on the sphere	425
Osipova, V. A. On equations with one unknown in semigroups with bounded mea-	72)
sure of overlap of the defining words	542
Ošman, E. V. Characterization of subspaces with continuous metric projection	, , , ,
into a normed linear space	1521
Ostrovskir, A. V. On k-covering mappings of separable metric spaces	289
Ovsepjan, S. G. On a new method for the construction of extensions of topologi-	1330
Palamodov, V. P. On the existence of versal deformations of complex spaces	1246
Pankov, A. A. (see also Kučment, P. A.)	
On the factorization of holomorphic Noether operator functions	546
Pasynkov, B. A. A factorization theorem for nonclosed sets	292
Paulauskas, V. I. On concentration functions of random vectors	751
Pavlenko, N. V. See Graev, M. I.	
Pavlenko, V. N. On the solvability of some nonlinear equations with discontinuous	
operators	846
Pavlov, A. I. On the growth along curves of lacunary series and series with real	
coefficients of rarely changing sign	1242
Pavlov, B. S. Continuous resonance spectrum on a nonphysical sheet	1417
Pekelis, A. S. Lattice isomorphisms of radical groups	649
Petkov, V. M. Necessary conditions for correctness of the Cauchy problem for	
nonstrictly byperbolic equations	1213
Petkova, S. V. On the axioms of homology theory	716
Petrenko, V. P. Deviations of integral curves of lower order $\lambda \leq 1 $	1569
Petrov, V. V. On the growth of sums of independent random variables	1127
Danney A P San Dam'innan V F	

7 1 0

Pigolkin, G. M. An entropy inequality and a criterion for the existence of statis-	
tical equilibrium	143
Pinčuk, S. I. On the existence of holomorphic primitives	654
Piterbarg, V. I. See Beljaev, Ju. K.	
Pittel', B. G. Random allocation with constraints and the principle of maximum	
weighted entropy	1713
Plamenevskir, B. A. On the asymptotic behavior of solutions of differential equations in Banach space	31
Pletneva, T. G. See Kondrat'ev, V. A.	
Pliss, V. A. Rough sequences of linear periodic systems of differential equations	658
Plotkin, B. I. On a semigroup of manifolds connected with group representations	392
Podlovčenko, R. I. Nondeterminate algorithm schemes	1619
Pogorelov, A. V. Improper convex affine byperspheres	240
On minimal hypersurfaces in spherical space	1218
Pokrovskir, A. V. See Kozjakin, V. S.	
Poljakov, V. Z. See Antonovskir, M. Ja.	
Ponomarev, S. M. On convergence of semigroups	603
Popov, V. I. Quantization of control systems	1668
Potepun, A. V. Generalized regularity of K-lineals and the properties of the order	
topology	1573
Prohorova, A. E. See Aleksandrov, I. A.	
Pustyl'nikov, L. D. On stability of balf-trajectories under area-preserving map-	
pings of the plane	36
Existence of a set of positive measure of oscillating motions in a certain	0.1
problem of dynamics	94
Pyh, Ju. A. On stability of a class of systems of nonlinear differential equations	470
Radkevič, E. V. See Olemik, O. A.	
Rafkov, D. A. On a class of correspondence categories	
Rakitskir, Ju. V. Parametric methods of numerical integration	1577
Methods for successive step increase in the numerical integration of systems	1/0/
of ordinary differential equations	
Ramazanov, M. D. Construction of an asymptotically optimal cubature formula in	00
$\widetilde{\mathbb{W}}_{2}^{m}(\Omega)$	98
Rančin, D. V. Compactness modulo an ideal	193
Rjaben'kir, V. S. Definition of division with remainder for polynomials in several	198
Rodin, Ju. L. The second Cousin problem on Riemann surfaces of infinite genus	550
))0
Romanov, V. G. A uniqueness and stability theorem for a nonlinear operator	1673
Rotfel'd, S. Ju. Asymptotics behavior of the spectrum of operators defined by	201)
double Stieltjes operator integrals	300
Rozanov, Ju. A. Regularity of stationary processes and factorization of operator	
functions	296
Rozenbljum, G. V. The distribution of the discrete spectrum for singular differen-	-,0
tial operators	245

ozendorn, E. R. Some sufficient conditions for regularity of a surface with	
constant negative intrinsic curvature152	
, , , , , , , , , , , , , , , , , , , ,	46
uban, A. A. The Perron algorithm for p-adic numbers and some of its ergodic	
	06
ubin, B. S. On operators of potential type in weight spaces on an arbitrary	20
contour	
ubstein, B. A. On decreasing sequences of measurable partitions	62
	66
ybak, M. A. See Gorbačuk, M. L.	
	20
	51
On Hermite, Minkowski and Venkov reduction of positive quadratic forms in	
	76
aak, E. M. An estimate of the change in the solution of the Dirichlet problem	
under variation of the domain	55
abat, A. B. On a class of equations of Wiener-Hopf type	87
abinin, L. V. On the equivalence of categories of loops and homogeneous spaces 9	70
abunin, M. I. An asymptotic estimate of the coefficients of an expansion in the	
functions of a certain system of analytic functions and its application	
to see the feet of	48
adovničir, V. A. Uniqueness of the solution to the inverse problem in the case	
of a second-order equation with indecomposable boundary conditions. Regularized sums of some of the eigenvalues. Factorization of the	
	220
	666
akojan, S. K. See Nagaev, A. V.	
	386
amarskif, A. A. See Gulin, A. V. and Nikolaev, E. S.	
amko, S. G. See Karapetjanc, N. K.	
amovol, V. S. Linearization of a system of differential equations in the neigh-	
	255
apiro, Ja. L. Reducible Riemannian spaces and two-sheeted structures on them 13	
	122
apirovskii, B. On discrete subspaces of topological spaces; weight, tightness	
	215
On the density of topological spaces	271
	533
aripov, T. H. An upper bound for the norm of the error functional for cubature	
	52
Sarymsakov, T. A. See Mironov, A. V.	
avel'ev, L. Ja. Measures on topological Boolean rings	39
	177
	505

Šemetkov, L. A. Formation properties of finite groups	851
Sidonskir, O. B. Difference equations for hypergeometric functions	
Sigal, I. M. Asymptotic completeness of multiparticle systems	1032 756
Signaevskir, V. A. See Širokov, F. V.	730
Sil'vestrov, D. S. On convergence of complex random functions in the J-topology	152
Sinar, Ja. G. See Livšic, A. N.	- / -
Širokov, F. V. and Signaevskir, V. A. Minimum coverings of a finite set	1693
Širokov, N. A. On uniform approximation of functions on closed sets having a	10/)
finite number of corner points with nonzero exterior angles	1041
Šišatskir, S. P. See Amonov, B. K.	
Skriganov, M. M. See Matveev, V. B.	
Skrypnik, I. V. On the application of Morse's method to nonlinear elliptic equations	202
Regularity of generalized solutions of quasi-linear elliptic equations of	
arbitrary order	342
Skubenko, B. F. On Minkowski's conjecture for $n = 5$	1136
Slugin, S. N. See Kalašnikov, A. L.	
Šmidt, A. A. See Veršik, A. M.	
Solomjak, M. Z. See Birman, M. Š.	
Solomjak, M. Z. See Vulis, I. L.	
Soltan, P. S. Simultaneous solution of several Steiner problems on a graph	103
On the covering of polyhedra by homothetic polyhedra	155
Helly's theorem for d-convex sets	975
Šostak, A. P. On E-compact spaces	1144
Stepanec, A. I. Deviation of partial sums of Fourier series in Hölder classes of	12/0
functions of two variables	1260 160
Sterlin, M. D. Exact constants in inverse theorems in the theory of approximations	1628
Stockit, E. D. Conditional grammars with dispersed context	1698
Strahov, V. N. On algorithms for the approximate solution of linear conditionally	1098
correct problems	1680
Straus, A. V. On spectral decompositions of a regular symmetric operator	614
Strel'cov, V. V. Some estimates for monotone curves in three-dimensional space.	43
Subbotin, A. I. (see also Krasovskii, N. N.)	
Extremal strategies in differential games with perfect memory	1263
Subhankulov, M. A. and An, F. I. Complex Tauberian theorems of the type of the	
Keldy's theorem with remainder	206
Subin, M. A. On some properties of psuedodifferential operators with nonsmooth	
symbols	1586
Šul'man, V. S. See Loginov, A. I.	
Suprunenko, D. A. Minimum irreducible solvable linear groups of prime degree	979
Surenkov, V. M. Some limit theorems for vector-valued branching processes with	
continuous phase space	1535
Limit theorems for branching processes with immigration controlled by a	1590

Suško, V. G. On small-parameter asymptotics for a quasi-linear parabolic equation	1036
Švedov, I. A. See Kuz minov, V. I.	
Sycev, A. V. On a quasi-conformal mapping of a sphere onto itself	1268
Tamrazov, P. M. Boundary and solid properties of holomorphic functions in a	
complex domain	725
Tareev, V. P. See Leontovič, E. A.	
Tarlinskir, S. I. On a positional guidance problem	1459
Temkin, D. E. One-dimensional random walks in a two-component chain	1172
Tersenov, S. A. On a singular Cauchy problem for a system of equations of	
hyperbolic type	1085
Timohovič, V. L. On spaces with ω-systems	1684
Tulovskir, V. N. Asymptotic distribution of eigenvalues of differential operators	
with variable coefficients	1341
Ul'janov, P. L. On some approximative and topological properties of the function-	
space φ(L)	427
Ušako, V. N. See Krasovskir, N. N.	
Uspenskii, S. V. On the reconstruction of a function defined by integrals over a	
family of ellipsoids	164
Vainberg, M. M. and Lavrent'ev, I. M. Nonlinear quasi-potential operators	1054
Vallander, S. S. On the limit behavior of iteration sequences of certain quadratic	
transformations	123
Vasil'eva, V. N. See Budak, B. M.	
Vasilevskir, N. L. On the Noether conditions and a formula for the index of a	
class of integral operators	175
Velicenko, V. V. On a generalization of Weierstrass' method to nonclassical	
variational problems	1593
Ventcel', A. D. On the asymptotic behavior of the greatest eigenvalue of a	
second-order elliptic differential operator with a small parameter in the	10
higher derivatives	13
On the asymptotics of eigenvalues of matrices with elements of order	15
$\exp\{-V_{ij}/(2\epsilon^2)\}$	65
Versik, A. M. and Smidt, A. A. Symmetric groups of high degree	1190
Verzbickir, V. M. and Caljuk, Z. B. On an analog of the strengthened Newton-	405
Kantorovič method	1058
Vinogradov, A. M. The logic algebra for the theory of linear differential operators	10)0
Volkov, E. A. A bilateral difference method for nonlinear and spectral problems in ordinary differential equations	1099
Volosov, V. M. Asymptotic scheme for a class of partial differential equations	1432
Volynec, I. A. Distortion of area under quasiconformal mappings	770
Voronovskaja, E. V. Interpolation problems and Čebyšev approximations	18
	69
Lagrange interpolation problems for analytic functions	1160
On functionals with Čebyšev stability	
Vovsi, S. M. On ascendent elements in groups	408
Vulis, I. L. and Solomjak, M. Z. Spectral asymptotics of degenerate elliptic	2 /0/

)41

Vuvunikjan, Ju. M. Criteria of smoothness and analyticity of a semigroup-generalized function in a locally convex space	363
Yengibarian, N. B. = Engibarjan, N. B.	
Zalesskir, A. E. On a problem of Kaplansky	449
Zaljapin, V. I. Generalization of the cylinder functions and representations of some automorphism groups of C ⁿ	1644
Zaljapin, V. I. and Ljusternik, L. A. On a system of functions for a Poisson walk	1450
Žarov, V. G. The complexity of the terms of constructive sequences of normal algorithms	445
Zelikin, M. I. On a differential game with incomplete information	228
Žikov, V. V. On the theory of admissibility of pairs of function spaces	1108
Zislin, G. M. On the finiteness of the discrete spectrum of energy operators of multiparticle quantum systems	1445
Zolotarev, V. M. On the accuracy of approximation in the central limit theorem	326
Zonnevend, D. On a pursuit method	816
Zubov, V. I. Construction of controls in pursuit problems	1400
Zuev, N. M. An investigation of spectral densities of stochastic processes with mixing	1599
Žuk, V. A. See Berezanskir, Ju. M.	
Zverovič, È. I. A method of locally conformal gluing	1003

